

Figure 1

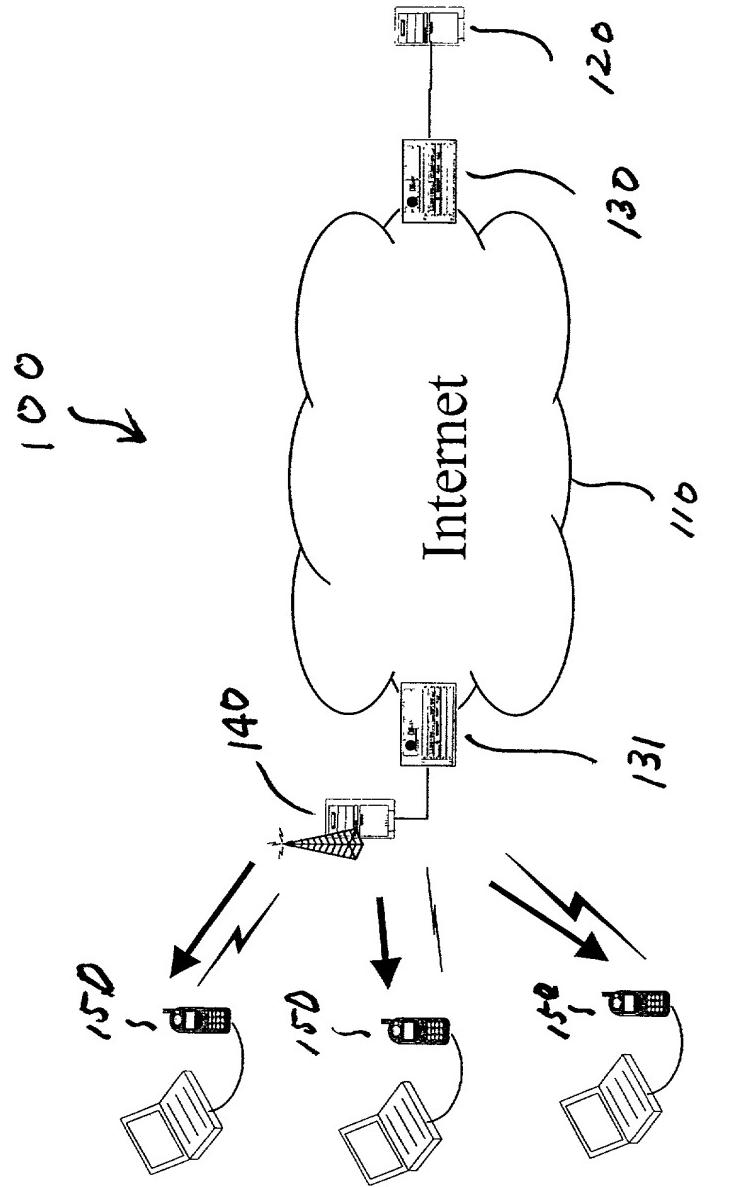
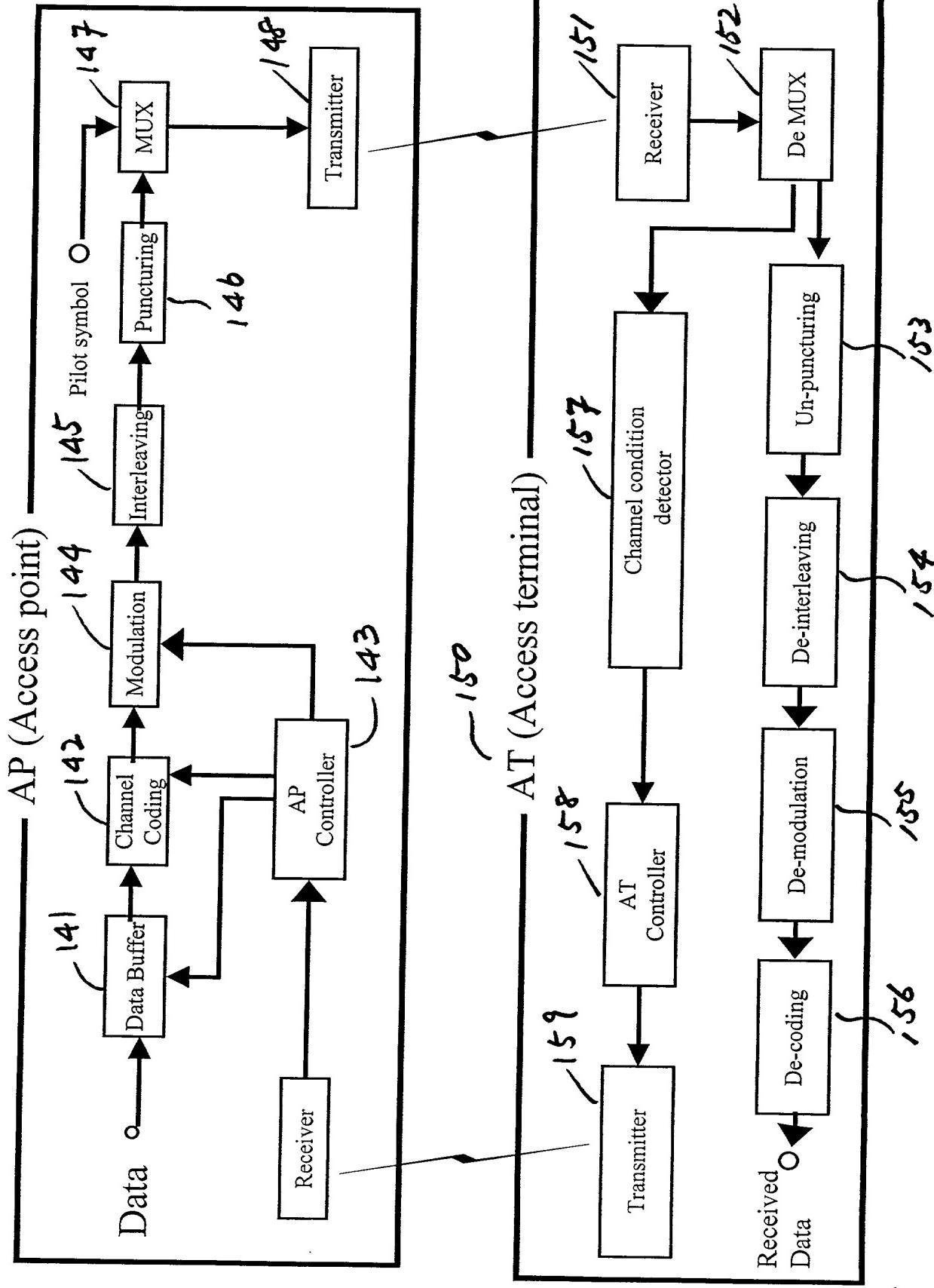


Fig. 2

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Fig. 3



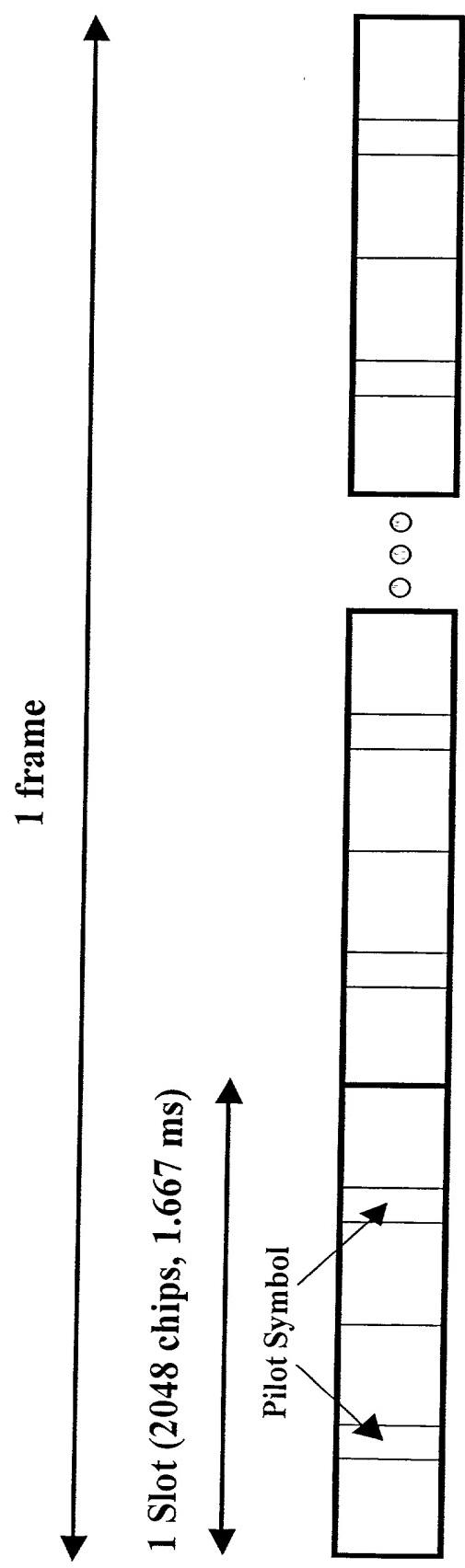
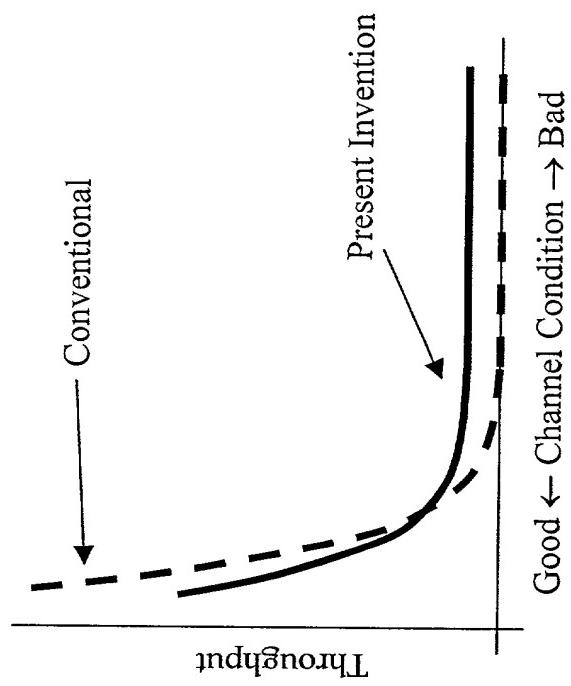


Fig. 4

Tug-5



AT#1 AT#2 AT#3 AT#4 AT#5 AT#6 AT#7 AT#8 AT#9 AP

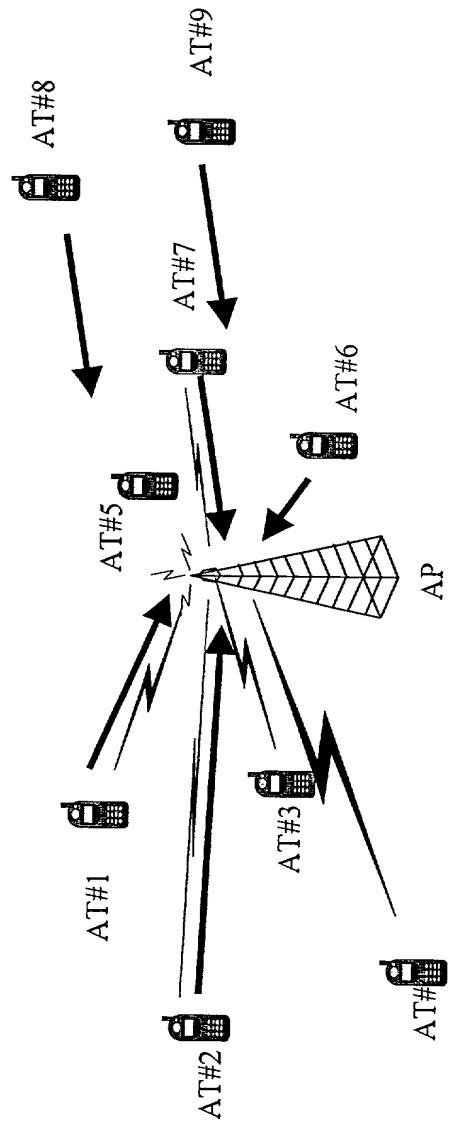


Figure 6

Fig. 7A

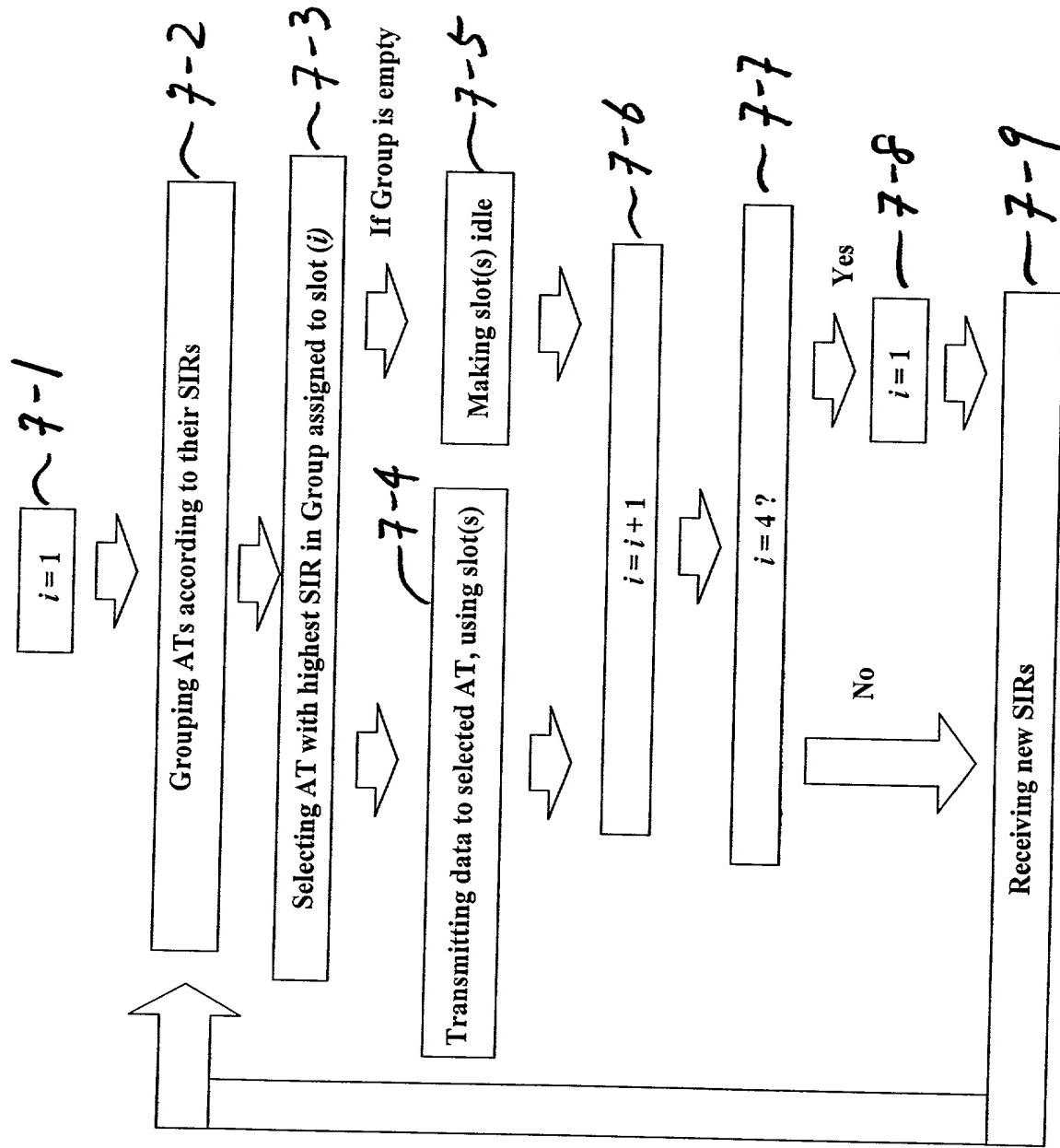


Fig. 7B

AT No.	Measured SIR (dB)	Group	Assigned slots
5	20	I	
6	19		2 slots / 4 slots
1	15		
3	13		
7	10	II	1 slot / 4 slots
4	9		
2	3		
8	3	III	1 slot / 4 slots
9	2		

TH: 14dB

TH: 7dB

Fig. 7C

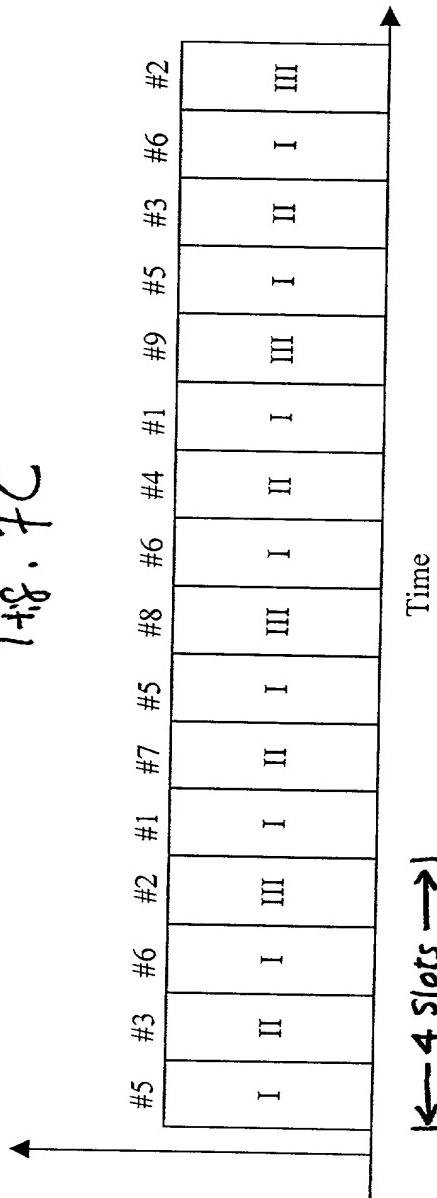
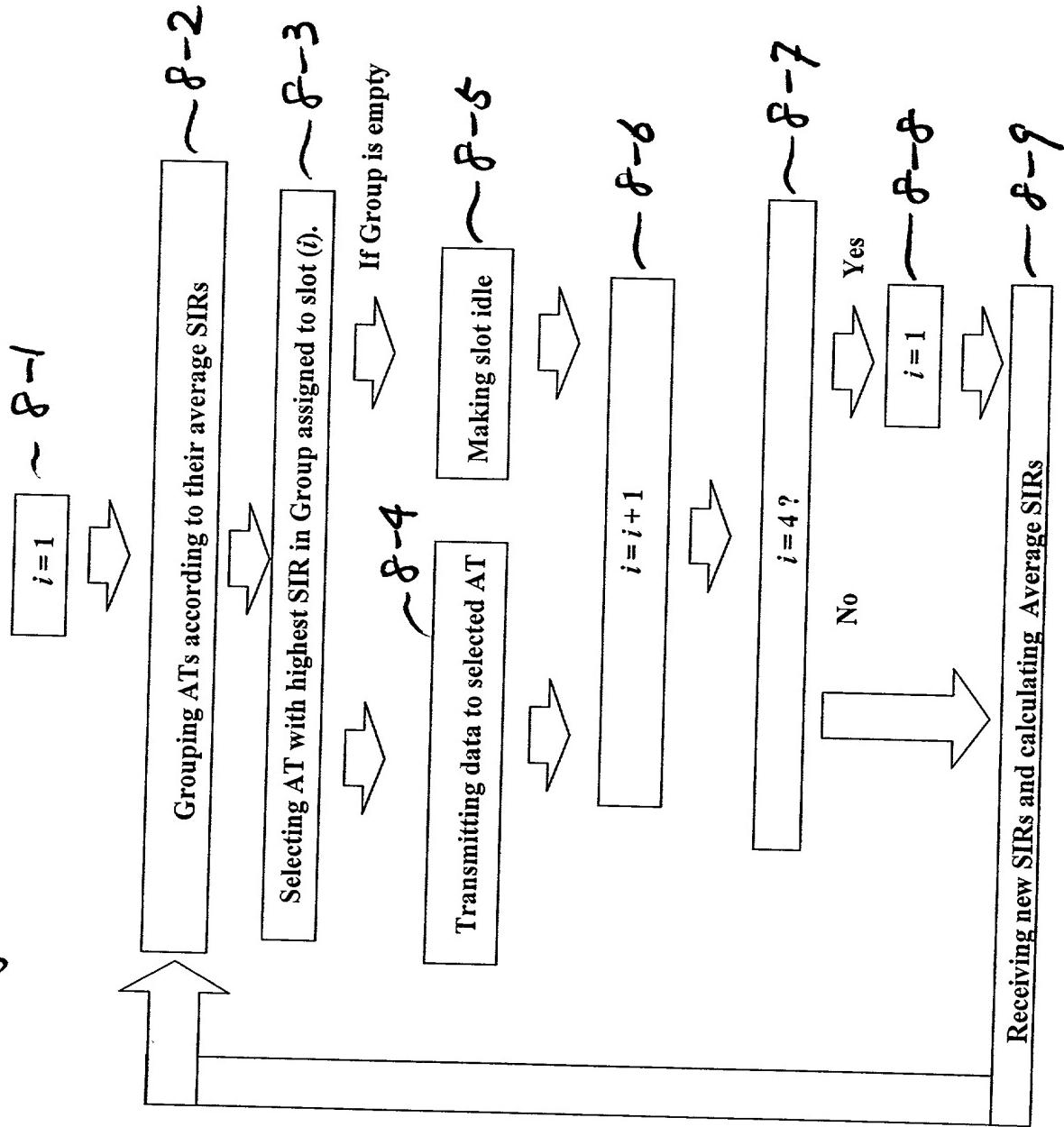


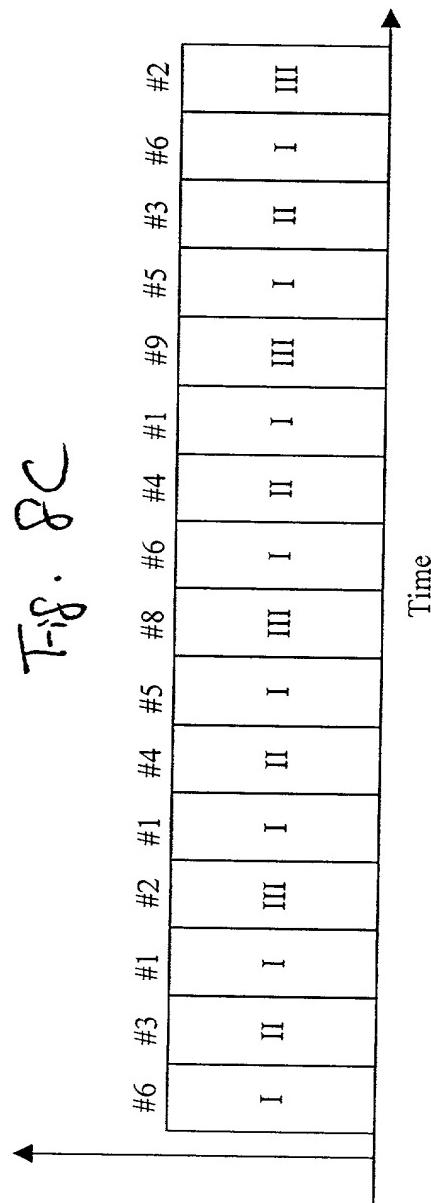
Fig. 8A



# Fig. 8B

AT No.	Measured SIR (dB)			Group	Assigned slot
	$\overline{SIR}_{(t-1)}$	$SIR_{(t)}$	$0.1 \times SIR_{(t)} + 0.9 \times \overline{SIR}_{(t-1)}$		
5	21.1	10	20	I	2 slots / 4 slots
6	20	20	20		
1	14.4	20	15		
3	12.7	15	13		
7	10.5	5	10	II	1 slot / 4 slots
4	8.33	15	9		
2	2.22	10	3		
8	3.0	3	3	III	1 slot / 4 slots
9	1.88	3	2		

TH: 14dB  
TH: 7dB



# Fig. 8C

Fig. 8-D

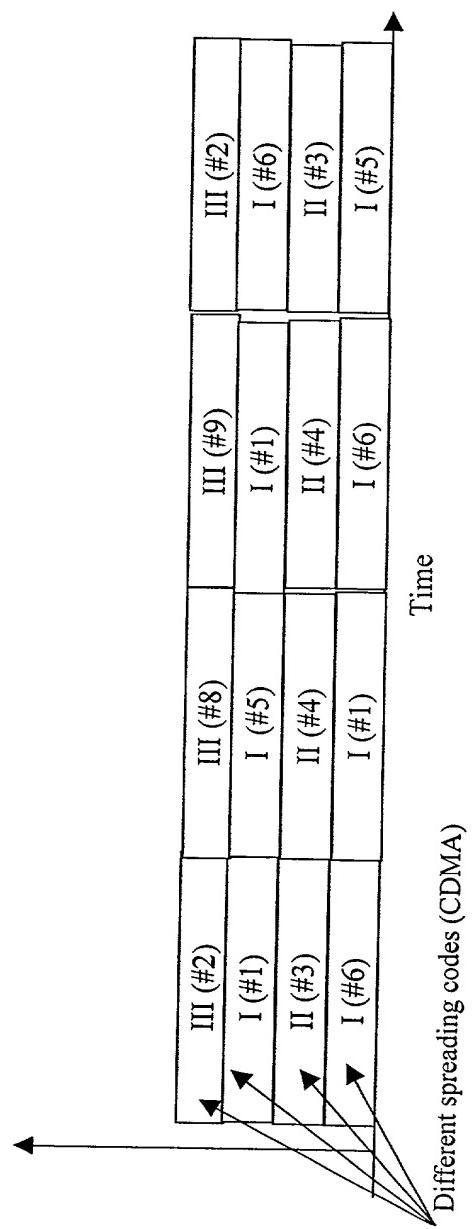


Fig. 9A

AT No.	Measured SIR (dB)			Group	Assigned slots
	$\overline{SIR}_{(t-1)}$	$SIR_{(t)}$	$0.1 \times SIR_{(t)} + 0.9 \times \overline{SIR}_{(t-1)}$		
5	21.1	10	20	I	2 slots/4 slots
6	20	20	20		
1	14.4	20	15		
3	14.3	1	13		
7	10.9	2	10	II	1 slot/4 slots
4	9.8	2	9		
2	2.22	10	3		
8	3.0	3	3	III	1 slot/4 slots
9	1.88	3	2		

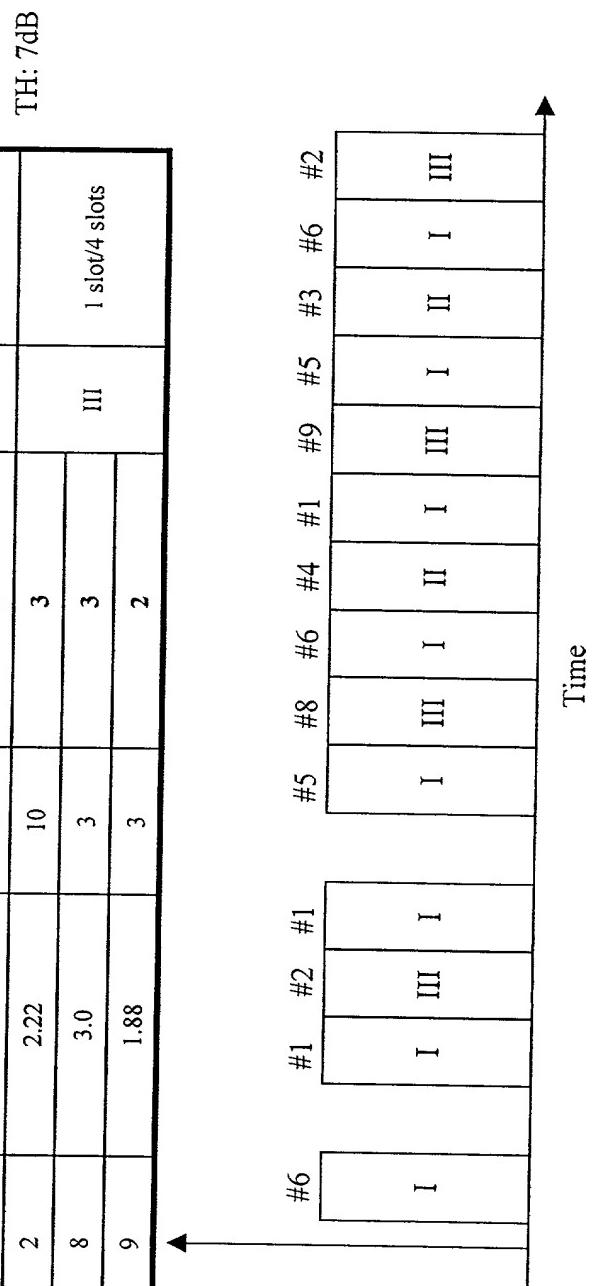


Fig. 9B

Fig. 10

AT No.	Measured SIR (dB)			Group	Assigned slot
	$\overline{SIR}_{(t-1)}$	$SIR_{(t)}$	$0.1 \times SIR_{(t)} + 0.9 \times \overline{SIR}_{(t-1)}$		
5	21.1	10	20	I	
6	20	20	20	I	2 slots / 4 slots
1	14.4	20	15		
3	12.7	15	13		
7	10.5	5	10	II	1 slot / 4 slots
4	8.33	15	9		
2	6	26	8		
8	3.0	3	3	III	1 slot / 4 slots
9	1.88	3	2		

TH: 14dB  
TH: 7dB

Fig. 11A

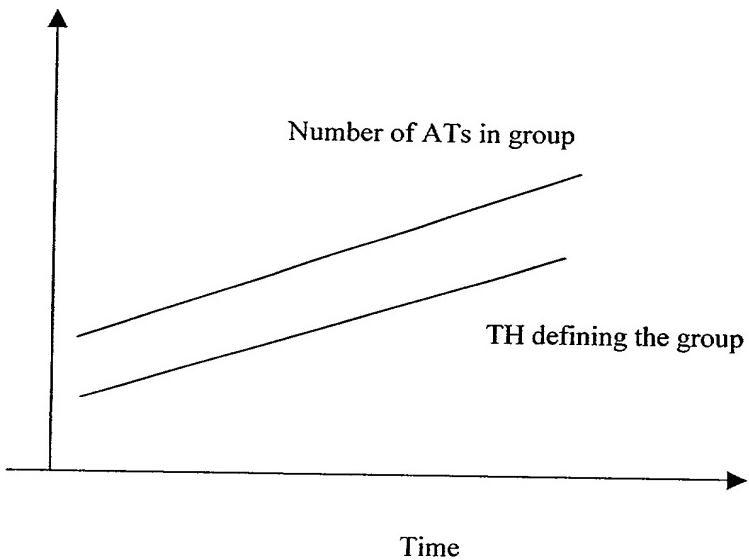


Fig. 11B

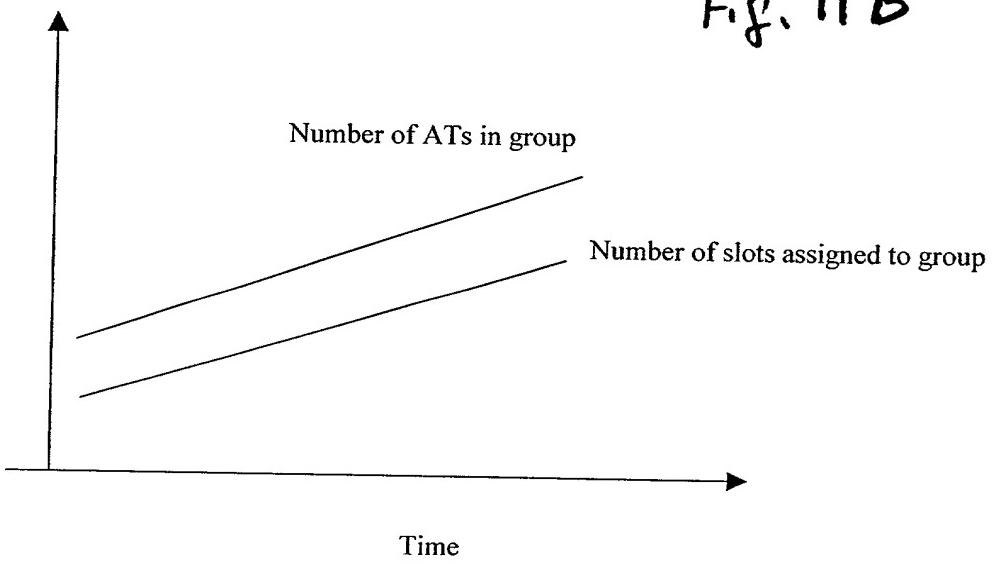


Fig. 11c

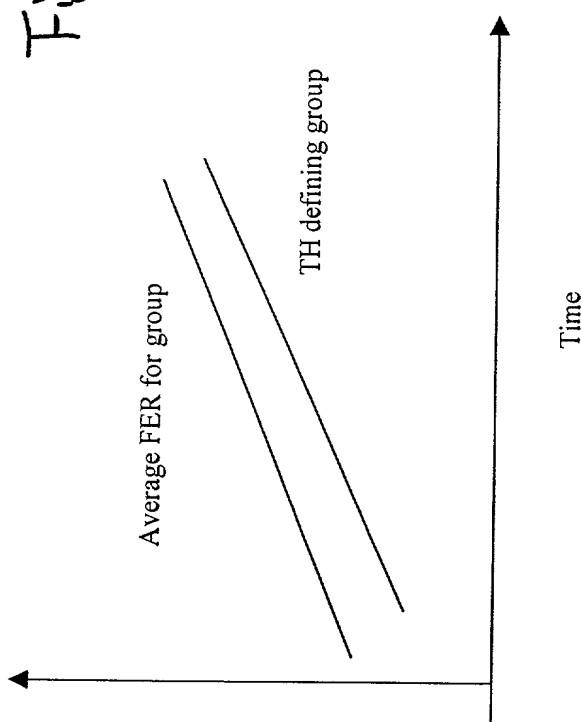


Fig. 12

AT No.	DRC (1-6)		Group	Assigned slot
	$\overline{DRC}_{(t-1)}$	$DRC_{(t)}$		
5	6	6	I	2 slots / 4 slots
6	6	5		
1	4	6		
3	3	4	II	1 slot / 4 slots
7	2	4		
4	2	3		
2	1	2	III	1 slot / 4 slots
8	1	1		
9	1	1		

$DRC = 4, 5 \text{ and } 6$   
 $DRC = 2 \text{ and } 3$   
 $DRC = 1$